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	OPTICE CADARY TOWN	
	OPTICS CAPABILITY	
	The state of the s	
STATINTL		
	This company appears to have a good capability in optic	S
	visited them on Wednesday programme and	I STATINTL
	VIDICE CHEM IN Play. IDEV ATE A SMALL COMPONIT OF Chart	
	either a Ph.D. or M.S. degree They have a computer for	
	design work, a grinding and polishing shop, and a test assembly area.	and
	assembly area.	
	We had an extensive technical discussion on current pro	lems
	of microscopes and light tables, and we also toured the facility.	ir
	Thad proviously last	
	I had previously left a copy of the Development Objective for "An Advanced Tilt Top Light Table" with	PLA STATINITI
	development objective calls for 1500 to 1800 ft I ambone	
	at the illumination surface. For high magnification mic scope viewing even that may not be enough light, while if	ro-
	general purpose viewing the present tables are probably bright enough.	
	After exploring ideas for slaving a small intense spot of	f
STATINTL	light to the microscope, two interesting suggestions wer	'e
	1. Illuminate the material by roflected links	
	from a lamp attached to the microscope. The	
	ramp would reflect from a mirror disk under	
\ , x	the clear glass top of the light table. The mirror disk to be slaved to the microscope	STATINTL
N_{lo}	/ by a small magnet. The reasibility could	STATINIL
V (some material on a rear surface mirror and	
	illuminating it.	
		•
(1-3°)	I we True, attenuation by a film in	age
	a keet a file	
$\mathbf{V}^{\mathbf{r}}$	ab & max ad	ditional
17	eccesioneally induced allemation	may make
1	that and electronically induced attenuation the info. even in and earlitten and earlitten in Part - Sanitized Copy Approved for Release 2012/04/24: CIA-RDP78B04747A0	
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for a standard microscope or steroscope was discussed.

immediately recognized the severity of the

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concept was

con-

STATINTL	2. The diffuser in present light tables could probably be redesigned to provide more directional screen gain and, hence, increase the brightness to the eye by a factor of two or more. could test this out with some pola cote material. We gave a copy of the Development Objective f	
STATINTL	We gave a copy of the Development Objective for a "Binocular Tube Magnifier" dated 14 April 1964. Some the optical requirements were discussed and noted that probably the most important thing in a tube magnifier was a wide field of view. was advised this was a competitive bid. If they can devise something unique, they will submit a bid by July 15.	
	The requirement for a variable ratio anamorphic eyepiece	

problems involved. Since being implemented, there was no point in

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tacting him.

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